



DATA SHEET	0033202
UNITRONIC® LiYD11Y	Valid from : 09.03.2009

Application

UNITRONIC® LiYD11Y is a flexible data cable for weak-current applications. The cable is intended for flexible use and for applications where torsion stress occurs. The cut resistant polyurethane outer sheath is largely resistant to the action of acids, caustic solutions and certain oils and to abrasion.

UNITRONIC® LiYD11Y is intended for use in dry and damp interiors and for fixed laying outdoor.

Design and electrical properties are similar to VDE 0812

Design

Conductor	finest wire strands of bare copper
Core insulation	special PVC-based compound
Core identification	acc. to DIN 47100
Stranding	cores are stranded in layers
Wrapping	2 layer stranding only: wrapping with fleece
Screen	spinning of bare copper wire
Wrapping	wrapping with fleece
Outer Sheath	special PUR-based compound, flame retardant
Colour	black, RAL 9005

Electrical properties at 20 °C

Specific insulation resistance	GΩ x cm	>20
Mutual capacitance at 800 Hz	A/A nF/km	ca. 140
	A/S nF/km	ca. 150
Inductance	mH/km	ca. 0,65
Operating peak voltage (not for purposes of power)	V	250
Test voltage	V	1200

Mechanical and thermal properties

Flammability	flame retardant in acc. to IEC 60332-1-2
Minimum bending radius	
for flexing use	cable Ø x 10
static	cable Ø x 6
Temperature range	
for flexing use	°C -5° up to +70°
static	°C -30° up to +80°